

The Geology of the Petroleum Deposits in the Sub-
andine Zone of the South American Cordillera, by
H. Gerth, 3 pp.

GERMAN, no par, Erd Oel & Kohle, Vol IX, No 3, 1956,
pp 147-150.

Tech and Comm Tr:

Sci. ~~and~~ geophysics

Aug 56 CIB/Dex

\$60.00

37,281

Calculating the Reserves of Natural Gas Deposits,
by K. Bruening, 2 pp.

~~XXXXXXXXXXXXX,~~
GERMAN, no per, Erd Oel & Kohle, Vol IX, No 3, 1956,
pp 150-152.

Tech and Comm Tr

Sci - Fuels, geophysics

\$40.00

Aug 56 CTS/Dex

37,288

New Development of the Hydrocarbon Synthesis (Gas
Reaction in Liquid Phase at Catalyst), by H. Kolbel,
and G. Verber, 4 pp.

GERMAN, no per, Erä Oel & Kohle, Vol IX, No3, 1956,
pp 153-156.

GFC

Tech and Comm Tr

Sci - Chemistry

\$80.00

Aug 56 GTS/Dex

37,289

The Reaction Mechanism of the Cleaving of Gaseous
and Liquid Hydrocarbons for the Production of
Industrial Gases, by M. Gerhold, 6 pp.

GERMAN, no per, Erd Oel & Kohle, Vol IX, No 3, 1956, pp 157-162

Tech and Comm Tr

\$110.00

WE - Germany
Sci - Chemistry
Econ -

37,290

Aug 56 CTS/Dex

New Chemical Processes for Sweetening Without Hydrogen,
by P. W. Sherwood, 4 pp.

GERMAN, no per, Erd Oel & Kohle, Vol IX, No 3, 1956,
pp 162-166.

Tech and Comm Tr

Sci - Chemistry

37,291

\$80.00

Aug 56 CTR/Dex

Physical Constants and Structure of Hydrocarbon
Mixtures. New Development of Graphic Statistic
Methods and Their Different Industrial Applications
by H. I. Waterman, 1 pp.

GERMAN, mo per, Erd Oel & Kohle, Vol IX, No 3, 1956,
pp 166-169.

Tech and Comm Tr

\$70.00

Sci - Chemistry

37,292

Aug 56 CTS/DBx

The Rheometry of Lubricant Greases, by H. Umstatter,
2 pp.

GERMAN, no per, Erd Oel & Kohle, Vol IX, No 3, 1956,
pp 170,171.

Tech and Comm Tr

Sci - Chemistry, fuels

\$30.00

Aug 56 CIB/Dex

37,293

Heat Recovery at Distillation Plant of the Petroleum
Industry, by B. B. Riediger, 4 pp.

GERMAN, no. per, Erd Oel & Kohle, Vol IX, No 3, 1956,
pp 171-175.

Tech and Comm Tr

\$80.00

WEu - Germany
Econ -

37,294

Aug 56 CES/ Dex

The Unbalance-Motor as Vibration Drive and Its Applications,

GERMAN, no par, Erst Oel & Kohle, Vol IX, No 3, 1956, pp 175-178.

Tech and Comm Tr

37,295

\$30.00

Sci - ~~Engineering~~ Engineering

Aug 56 CDS/Dex

Hydraulic Systems of Modern Deep-Drilling Units,
by Bohdan Petuch, E. Williams.

GERMAN, no per, Erd Oel & Kohle, Vol IX, No 3,
1956, pp 178,179.

37,296

Tech and Comm Tr

\$40.00

Sci - ~~Engineering~~ Engineering

~~RECEIVED~~

Aug 56 CTS/Dex

Gauging Volumetric Measuring of Mineral Oils by
Weight for Ships and Tankers, by O. Folk,

GERMAN, no par, Erd Oel & Kohle, Vol IX, No 3, 1956,
Rise pp 180-182.

Tech and Comm Tr

37,297

\$40.00

Sci - Engineering

Aug 56 CTS/Dex

The Drilling of Petroleum During 1955 in West
Germany, by E. Malzbahn

GERMAN, no per, Erdöl und Kohle, Vol IX, No 4,
1956, pp 209-222.

Tech and Comm Tr \$140.00

WEur - Germany
Economic
Nov 56 CTS

40,607

The Tectonics of the Oil Deposits of Reconcavo,
Bahia (Brazil)

GERMAN, no per, Erdoesl und Kohle, Vol IX, No 4,
1956, pp 223-225.

Tech and Comm Tr \$50.00

LA - Brazil

~~Misconducting~~

Economic

Sci - Fuels

Nov 56 CTS

40,608

New Developments in the Hydrocarbon Synthesis.
II. Fischer-Tropsch Synthesis in Liquid Medium,
by R. Koebel

GERMAN, no per, Erdoel und Kohle, Vol IX, No 4,
1956, pp 225-228.

Tech and Comm Tr \$60.00

Sci - Fuels
Nov 56 CTS

40,609

Contributions to the Study of the Reaction
Mechanism of the Cracking of Gaseous and Liquid
Hydrocarbons for the Production of Industrial
Gases, by M. Gerhold

GERMAN, no per, Erdöl und Kohle, Vol IX, No 4,
1956, pp 228-233.

Tech and Comm Tr \$90.00

Sci - Fuels
Nov 56 CBS

40,610

New Facts About the Hungarian Bitumens, by
L. Vajta

GERMAN, no per, Erdool und d Kohle, Vol IX, No 4,
1956, pp 233-235.

Tech and Comm Tr \$70.00

REur - Hungary
Economic - Fuels
Sci - Fuels
Nov 56 CTS

40,605

Separation of Hydrocarbon Mixtures by Carbamide
Adducts, by M. Freund

GERMAN, no per, Erdöl und Kohle, Vol IX, No 4,
1956, pp 241-245

Tech and Comm Tr ~~257-241~~ \$100.00

Sci - Fuels
Nov 56 CTB

40,686

Rheologic Analysis of Lubricants, by R. Krause

GERMAN, no per, Erdoel und Kohle, Vol IX, No 4,
1956, pp 241-245.

Tech and Comm Tr \$75.00

Sci - Fuels
Nov 56 CTS

40,603

Geophysics and Petroleum Discovery in Germany,
by A. Bents

GERMAN, no pag, Erdöl und Kohle, Vol IX, No 5,
1956, pp 278-280.

Tech and Comm Tr \$40.00

Sci - Geophysics
Nov 56 CTS

40,604

Remarks on the Construction of Plans
of the Lines of Depth at Strongly
Sloped Reflection Interfaces, by J.
F. Calaya, R. Kohler, 6 pp.
GSDMH, par, Erdol und Kohle-Erzeug-
Petrochemie, Vol 9, No 5, 1956, pp 289-293.
SLA TT-65-10195

336,324

Sci
Aug 67

The Possibility of Petroleum Deposits in the
Parana Basin (Brazil), by G. Menpel

GERMAN, no per, Erdoesl und Kohle, Vol IX, No 5,
pp 1956, pp 299-303.

Tech and Comm Tr \$60.00

Sci - Fuels
LA - Brazil
Economic
Nov 56 CTS

40,599

New Developments in the Hydrocarbon Synthesis.
III. Synthesis of Hydrocarbons From CO and H₂O
Vapor (Steam), by H. Koelbel, P. Ackerman, Fr
Engelhardt

GERMAN, no per, Erdoel und Kohle, Vol IX, No 5,
1956, pp 303-307.

Tech and Comm Tr \$90.00

Sci - Fuels
Nov 56 CTS

40,600

Extraction, Adsorption, and Thermal Processes for
Sweetening Without Hydrogen, by P. W. Sherwood

GERMAN, no per, Erdöl und Kohle, Vol IX, No 5,
1956, pp 308-310.

Tech and Comm Tr \$60.00

Sci - Fuels
Nov 56 CTS

40,601

Determination of Partial Condensation in
Dephlegmators, by R. Riediger

GERMAN, no per, Erdoel und Kohle, Vol IX, No 5,
1956, pp 311-315.

Tech and Comm Tr \$100.00

Sci - Fuels
Nov 56 CTS

40,602

The Mineral Oil Industry, Its Present Position
in the World Industry and Its Future Outlook,
by J. W. Platt

GERMAN, no per, Erdoel und Kohle, Vol IX, No 6,
1956, pp 350-356.

Tech and Comm Tr \$140.00

WEur - Germany
Worldwide
Economic
Nov 56 CTH

#6, 686

(FDD 28937)

The New Oil and Gas Deposits in the Vienna Basin,
by H. Wieseneder, 23 pp.

GERMAN, no par, Erdöl und Kohle, Vol IX, No 6,
Hamburg, Jun 1956, pp 357-363.

CIA/TDD U-9100

WEAR - Austria

ECOM -

Oct 56 GFS

4-6, 766

The Action of Molybdenum Disulphide As High
Pressure Addition to Anti-Friction Bearing Grease,
by Werner W. Kullmann, 10 p.

GERMAN, per, Erdöl und Kohle, 1956, Vol IX, No 6,
pp 380-382.

SLA 59-20846.

Sqi
Mar 60
Vol 3, No 1

110,967

Coal Extraction I. Extraction Processes and Influence of Coal Preparation, by C. Krüger, 17 pp.

GERMAN, per, Erdöl u Kohle, No 7, 1956, pp 441-447.

SLA 57-2298

Jul 58

69, 940

On the Ketones of Low-Temperature Tar From Hard
Coals, by Alfred Jager, Gunter Kattwinkel, 3 p.

GERMAN, per, Partial trans, Erdol und Kohle, 1956,
Vol IX, No 7, pp 447-450.

SLA 59-20057

Sci
Mar 60
Vol 2, No 11

Refinement of Diesel Fuels by Catalytic
Hydrogenation, by F. Schmeling.

GERMAN, no par, Erd Oel und Kohle, Vol IX,
No 7, 1956, pp 450-452.

Tech and Comm Tr
\$34.00

Sci - Chemistry; Fuels
CIS/lex Jan 1957

42, 017

Epoxidizing of Hydrocarbons to Ethylene, by
H. Fietisch.

GERMAN, no per, Erdöl und Kohle, Vol IX, No 7,
1956, pp 453-456.

Tech and Comm Tr
\$45.00

Sci - Chemistry
CTS/dan Jan 1957

42,019

A Practical and Accurate Index for Determining
the Viscosity-Temperature Relationship for
Lubricants, by J. Cornelissen.

GERMAN, in: par, Erdöl und Kohle, Vol. IX, No. 7,
1956, pp 456-458.

Tech and Comm Tr
\$17.00

Sci - Fuels
CRB/den: Jan 1957

42,018

On the Properties of Various Mineral Waxes and
Their Preliminary Compounds, by H. Lindeman.

GERMAN, no par, Erdöl und Kohle, Vol IX, No 7,
1956, pp 458, 459.

Tech and Comm Tr
\$25.00

Sci - Chemistry
CTS/dax Jan 1957

42,020

The Production of Viscous Gels, by
H. Schwarz.

GERMAN, no per, Erdos und Kohla, Vol IX, No 8,
1956, pp 511-515.

Tech and Comm Tr
\$40.00

Sci - Public
CTB/lex Jan 1957

42,021
5617 62-16477

the coal extraction. II. Influence of the solvent,
the carbonisation-degree and the temperature on the
extraction, by Carl Kroege.

GERMAN, no par, Erdöl und Kohle, Vol IX, No 8,
1956, pp 516-520.

Tech and Comm Tr
\$75.00

42, 023

Sci - Chemistry; Enrich Min/Metals
CTS/dex Jan 1957

564 57-2299

The Preparation of Vinyl Chloride by Oxidation
of Ethylene, by W. Omer.

GERMAN, no par, Erbsol und Kohle, Vol IX, No 8,
1956, pp 521-524.

Tech and Comm Tr
\$52.50

Sci. - Chemistry
CTB/lex Jan 1957

42,022

Importances of the Determination of the Activity
of Cracking Catalysts by the "Cat-A-Test"
Method, by P. W. Schenk.

GERMAN, no par, Erdöl und Kohle, Vol IX, No 8,
1956, pp 524-527.

Tech and Comm Rr
\$30.00

Sci - Chemistry
CIS/Dec Jan 1957

42,024

Corrosion Tests, by Bruno Maaser.

GERMAN, no par, Erdöl und Kohle, Vol IX, No 8,
1956, pp 530-534.

Tech and Comm Tr
\$10.00

Sci - Chemistry
CXB/dex Jan 1957

42,268

The Shell Oil Gasification Process and Its Application
to Industry, by Gattiker. UNCLASSIFIED

GERMAN, per, Erdcoel und Khehle, 1957, pp 581-584.

Co-op Tr Scheme
Tr 867
(L1.5.0)

Sci - Fuels
Apr 58

62,683

Schulze, G. A. and Trappe, H. J.
THE PLOTTING OF SALT FLANKS WITH SEISMIC
METHODS (Das Kartieren von Salzflanken mit
Seismischen Methoden). [1962] [8]p. (foreign text in-
cluded) 1 ref.
Order from SLA \$1.10

62-16524

Trans. of Erdöl und Kohle (West Germany) 1956, v. 9,
no. 9, p. 580-583.

DESCRIPTORS: *Geophysical prospecting, *Salts,
Deposits, *Stratigraphy, Test methods, *Seismic
waves.

(Earth Sciences--Seismology, TT, v. 9, no. 6)

62-16524

I. Schulze, G. A.
II. Trappe, H. J.

Office of Technical Services

Continuous Measuring of the Rate of Drilling, by
R. G. VanNostrand.

GERMAN, no par, Erd Oel und Kohle, Vol IX, No 9,
1956, pp 583-587.

Tech and Comm
\$50.00

Sci - Eng
Jul 57

49,262

Part I
Petrographic and Chemical Investigation of Posidoniem-
Slate, by H.R.V. Gaertner, Kroeplin.

GERMAN, no per, Erd Oel und Kohle, Vol IX, No 9,
1956, pp 588-592.

Tech and Comm
\$45.00

49,267

Sci - Chem
Jul 57

Producing Pure Acetylene From Gas Mixtures of
Low Acetylene Content by Means of Continuous
Gas Chromatography, by P. Benedek, Szepesy.

GERMAN, no per, Erd Oel und Kohle, Vol IX, No 9,
1956, pp 593-596.

Tech and Comm
\$60.00

Sci - Chem
Jul 57

49, 261

Study of the Film Resistance of Lubricants in
Bearings, in Relation to Load and R.P.M., by
E. Terres, Morlock, Voelker,

GERMAN, no par, Erd Oel und Kohle, Vol IX, No 9,
1956, pp Part I, pp 597-601; Part II, pp 690-696.

SLA INSDOC-T 2102

Tech and Comm

\$90.00

Sci - Fuels
Jul 57

49,263

On the Dependency of the Dielectric Strength of
Hydrocarbons on Pressure and Temperature, by
H. Luther, E. Staerk.

GERMAN, no per, Erd Oel und Kohle, Vol IX, No 9,
1956, pp 601-606.

Tech and Comm
\$70.00

Sci - Chem
Jul 57

49,264

Lubricants and Additives, by G. N. Thornley,

GERMAN, no per, Erd Oel und Kohle, Vol IX, No 9,
1956, pp 606-613.

Tech and Comm
\$90,00

Sci - Fuels
Jul 57

49,266

Fireproof Steam-Turbine Lubricants, by E. Knoop.

GERMAN, mo per, Erd Oel und Kohle, Vol IX, No 9,
1956, pp 613-616.

Tech and Comm
\$38.00

Sci - Fuels
Jul 57

49,265

Concerning the Necessity of Information
On Porous Systems and Methods of Their
Investigation in Low-Temperature
Hydrogenation (LTH-Processes, by W. H.
~~XXXXXXXXXX~~ Greber.

GERMAN, per, Erdol und Kohle, Vol ^X IX,
1956, pp 616-620.

Dept of Interior
(loan)

Sci

Vol. IV. No 9

189.026

On the Results of Marking Oil Fields by Means
of Forcing in Radioactive Methane, by W. V.
Engelhardt, K. Mueller.

GERMAN, no per, Erd Oel und Kohle, Vol IX, No 10,
~~Mar~~ 1956, pp 674-679.

Tech and Comm
\$75.00

Sci - Chem
Jul 57

49,268

Part II
Petrographic and Chemical Investigation of Posidonien-
Slate, by H.R.V. Gaertner, H. Kroeplin,

GERMAN, no per, Erd Oel und Kohle, Vol IX, No 10,
1956, pp 680-682.

Tech and Comm
\$45.00

49,270

Sci - Chem
Jul 57

Producing Phthalic Anhydride From Petroleum,
by D. W. Sherwood.

GERMAN, no per, Erd Oel und Kohle, Vol IX,
No 10, 1956, pp 683-685.

Tech and Comm
\$52.00

49,269

Sci - Chem
Jul 57

Study on Forced and Natural Aging of Unalloyed
Mineral Lubricants, by G. Spengler, H. O. Hoessel.

GERMAN, no per, Erd Oel und Kohle, Vol IX, No 10,
1956, pp 686-689.

Tech and Comm
\$60.00

49,271

Sci - Fuels
Jul 57

The Technical Development of Oil Cleavage Process
for the Production of City Gas and Industrial
Gases, by M. Gerhold, Part I and Part II.

GERMAN, no per, Erd Oel und Kohle, Vol IX, No 11,
1956, pp 765-769; no 12, 1956, pp 844-851.

Tech and Coma
\$75.00

Sci - ~~Eng~~ Fuels
EUR - Germany
Econ
Aug 57

50,996

Study of the Film Resistance of Lubrication Oils
in Bearings in Dependence of Stress and R.P.M.,
by E. Terres, et al.

GERMAN, no per, Erd Oel und Kohle, Vol IX, No 11,
1956, pp 770-775.

Tech and Comm
\$70.00

Sci - Fuels
Aug 57

50,995

Chemical Products as Additives to Lubrication
Oils, by R. S. Aries, et al.

GERMAN, no per, Erd Oel und Kohle, Vol IX, No 11,
1956, pp 775-778.

Tech and Comm
\$45.00

Sci - Chem; Fuels
Aug 57

50,975

Tectonics of the Oil Fields Near the Persian Gulf,
by A. Heim,

GERMAN, no per, Erd Oel und Kohle, Vol IX, No 12,
1956, pp 829-832.

Tech and Comm
\$31.50

50,997

Sci - Geophysics, geology
Aug 57

Basic Problems at the Quantitative Evaluation
of Electric Borehole Diagrams, by E. Blum.

GERMAN, no per, Erd Oel und Kohle, Vol IX, No 12,
1956, pp 834-836.

Tech and Comm
\$38.50

Sci- Eng
Aug 57

50,990

A New Instrument for the Geologist in Oil Fields --
The Boring Core Sample Indicator,

GERMAN, mo per, Erd Oel und Kohle, Vol IX, No 12,
1956, pp 837-838.

Tech and Comm
\$28.00

50,992

Sci - Eng
Aug 57

Coal Extraction. IV. Behavior of Various Bands
and Structural Components (Macerals), by G. Kroger,
17 pp.

GERMAN, per, Erdol u Kohle, ⁷⁴Vol XII, 1956,
pp 839-843.

SIA 57-2297

Jul 58

69, 941

The Crude From Sonde II of the New Egyptian Oil
Field Balayin, by W. Machu, W. El. Zahaby.

GERMAN, no per, Erd Oel und Kohle, Vol IX, No 12,
1956, pp 852-853.

Tech and Comm
\$24.50

Sci - Fuels, petroleum
Aug 57

50,991

Selection and Upraising of Gum Inhibitors and Metal-
Deactivators for Motor ~~Fuels~~ Fuels, by E. G.
Holtes.

GERMAN, no per, Erd Oel und Kohle, Vol IX, No 12,
1956, pp 853-857.

Tech and Cosm
\$59.00

Sci - Fuels; Chem
Aug 57

50,993

Modern Filtration Method in Petroleum Refineries,
by C. Vonderheide.

GERMAN, no per, Erd Oel und Kohle, Vol IX, No 12,
1956, pp 861-863.

Tech and Comm
\$28.00

Sci- Fuels, petroleum
Aug 57

50,986

TT-64-18383

Notes, E. G.
ON THE SELECTION AND EVALUATION OF GUM
INHIBITORS AND METAL DEACTIVATORS FOR FUELS.
9p (1fig 28refs omitted)
Order from SLA \$1.10

TT-64-18383

Trans. of [Brühl und Kohle -Erdgas-Petrochemie]
(West Germany) 1956, v. 9, no. 12, p. 853-857.

(Materials--Fuels, TT, v. 12, no. 7)

I. Notes, E. G.

Marsal, Dietrich].
COMPUTATION OF [WATER FLOODING OF] PETRO-
LEUM RESERVOIRS IN UNDIMENSIONAL APPROXI-
MATION. I. FUNDAMENTALS [Die Berechnung der
Verwässerung von Erdöllagerstätten in Eindimensionaler
Näherung. 1. Teil: Grundlagen]. [1962] [19]p. 2 refs.
Order from SLA \$1.60 62-16646

Trans. of Erdöl und Kohle (West Germany) 1957, v. 10,
no. 2, p. 61-65.

DESCRIPTORS: *Petroleum, Sources, *Hydraulic
reservoirs, Hydraulic accumulators, Permeability,
Water injection, Hydrology, Mathematical analysis,
Geophysical prospecting.

(Engineering--Chemical, TT, v. 9, no. 6)

62-16646

I. Marsal, D.

Office of Technical Services

A VI-Nomogram for Dynamic and Kinematic Viscosity of
Mineral Oils in the Temperature Range From 20°C to
150°C, by Wilhelm Schwebke, 14 pp.

GERMAN, per, Erdoel und Kohle, Vol X, No 2, 1957,
pp 75-79.

SIA 59-10593

Sci - Chem
Sep 59
Vol 2, No 1

97, 273

62-16647

I. Marsal, D.

Marsal, Dietrich.
COMPUTATION OF WATER FLOODING OF PETRO-
LEUM RESERVOIRS IN UNIDIMENSIONAL APPROXI-
MATION. II. THE TRANSFER OF LABORATORY
DERIVED RELATIONSHIPS TO THE FIELD (Die
Berechnung der Verwässerung von Erdöllagerstätten in
Eindimensionaler Näherung. 2. Teil: Die Übertragung
der im Laboratorium Gewonnenen Beziehungen auf das
Feld). [1962] [26]p. (foreign text included) 1 ref.
Order from SLA \$2.60 62-16647

Trans. of Erdöl und Kohle (West Germany) 1957, v. 10,
no. 3, p. 141-146.

DESCRIPTORS: *Petroleum, Sources, *Hydraulic
reservoirs, Hydraulic accumulators, Permeability,
Water injection, Hydrology, Mathematical analysis,
Geophysical prospecting.

(Engineering--Chemical, TT, v. 9, no. 6)

Office of Technical Services

Concerning the Question of Analysis of a Brown-
Coal-Tar Paraffin Oil With Selective Solvents,
by Erich Gundermann.

GERMAN, per, Erdoel und Kohle, Vol X, 1957,
pp 151-157.

Dept of Interior
TN7, E57, No 174

Sci - Chem
Jan 60
Dec

105,039

62-16648

Marsal, Dietrich.
THE FLOODING OF THE WELLS (Die Berechnung der
Verwässerung von Erdöllagerstätten in Eindimension-
aler Näherung. 3. Teil: Die Verwässerung der Sonden).
Pt. 3 of Computation of Water Flooding of Petroleum
Reservoirs in Unidimensional Approximation. [1962]
[16]p. (foreign text included) 2 refs.
Order from SLA \$1.60

62-16648

Trans. of Erdöl und Kohle (West Germany) 1957, v. 10,
no. 4, p. 218-221.

DESCRIPTORS: *Petroleum, Sources, *Hydraulic res-
ervoirs, Moisture, Water, *Hydrology, Fluid flow,
Water injection, Mathematical analysis.

(Engineering--Chemical, TT, v. 9, no. 3)

- I. Marsal, D.
- II. Title: Computation ...

Office of Technical Services

Concerning the Question of Analysis of A Brown-
Coal-Tar-Paraffin-Oil With Selective Solvents,
II, by A. E. ~~WIKI~~ Gundermann.

GERMAN, per, Erdol und Kohle, Vol X, 1957,
pp 228-231.

Dept of Interior

Sci
Feb 62
Vol III, No 11

182,784

Stinsky, Fritz.
TITRIMETRIC DETERMINATION OF DISSOLVED
SULFUR IN MINERAL OILS AND FATS
(Titrimetrische Bestimmung von Gelöstem Schwefel in
Mineralölen und Fetten). [1960] 4p. 1 ref.
Order from SLA m\$1.80, ph\$1.80 61-10495

Trans. of Erdöl und Kohle (West Germany) 1957, v. 10,
no. 4, p. 231.

A titrimetric method of analysis, which is a suitable
substitute for the method previously used for deter-
mination of the so-called "active" sulfur in mineral
oil, fats and similar products, is described. While the
methods hitherto used did not yield results until after
24 hours at the earliest, the titration method produces
results within one hour, with at least as much accu-
racy, as indicated by the check analyses. (Author)

(Chemistry--Analytical, TT, v. 5, no. 7)

61-10495

1. Sulfur--Determination
2. Fats--Chemical analysis
3. Mineral oils--Chemical
analysis
1. Stinsky, F.

148,521

Office of Technical Services

Gear Failures, Their Cause and the Influence of
Lubrication, by E. Knoop;

GERMAN, per, Erdol und Kohle, Jan-Apr 1957, pp 238-243,
9072290.

ACSIL No 1038

Sci

Nov 60

131, 429

Use of the Interference Microscope to
Evaluate Wear Studies with teh Four-
Ball Machine, by H. Determann.
GERMAN, per, Erdol und Kohle-Erdgas
Petrochemie, Vol X, No 5, 1957, p 303=305.
SLA TT 64-20238

Apr 67

323,140

TT-64-16899

Kühnhanss, Gerhard, Rösner, Hedwig, Hütig,
Erhard, Wagner, Manfred, and Tischendorf,
Gottfried.

CONTRIBUTION TO THE ANALYSIS OF HYDRO-
CARBON MIXTURES. PT. I. SEPARATION OF A
DIESEL-OIL FRACTION FROM THE LOW-TEMPER-
ATURE HYDROGENATION STRIPPER AND DETER-
MINATION OF THE MATERIALS CONTENTS. Paper
presented at the Annual Conference of the Deutschen
Gesellschaft für Mineralölwissenschaft und
Kohlechemie, Goslar, 4 Oct 56. 8p 6 refs
Order from SLA \$1.10

TT-64-16899

Trans. of [Erdöl und Kohle-Erdgas Petrochemie] (West
Germany) 1957, v. 10 [no. 6] p. 372-375.

- I. Kühnhanss, G.
- II. Rösner, H.
- III. Hütig, E.
- IV. Wagner, M.
- V. Tischendorf, G.
- VI. Title: Separation ...

(Materials--Fuels, TT, v. 12, no. 5)

Office of Technical Services

DT-10481

Meys, Jan Andries, Waterman, Hein Israeli, and Krevelen, Dirk Willem van.
 MODIFICATIONS IN THE REFRACTIVE INDEX AND DENSITY OF HYDROCARBONS DURING HYDROGENATION AND ISOMERIZATION (Aenderung des Brechungsindex und der Dichte von Kohlenwasserstoffen beim Hydrieren und Isomerisieren). [1960] [10]p.
 19 refs.
 Order from SLA ml\$1.80, ph\$1.80 61-10481

Trans. of Erdöl und Kohle (West Germany) 1957, v. 10, no. 7, p. 428-429.

Refractive indexes and densities change when olefins and aromatics are hydrogenated or when saturated hydrocarbons are isomerized, the change in refractive index divided by the change in density being 1.00 for hydrogenation and ~0.45 for isomerization. As shown for a petroleum crude, an anthracene oil, and a pitch, saturation and isomerization occurring during hydrogenation of aromatics can be determined from a refractive index vs. density curve plotted during the process. (Author)

1. Hydrocarbons--Refractive properties
2. Hydrocarbons--Isomerism
3. Ethylenes--Hydrogenation
1. Meys, J. A.
- II. Waterman, H. I.
- III. Krevelen, D. W. van

148,517

Office of Technical Services

(Chemistry--Organic,
 TT, v. 5, no. 7)

APR 77

Comments on the Economy of Poor-Gas Production,
by D. Wagener.

GERMAN, par, Erdol und KHM Kohle, Vol X, No 7,
1957, pp 430-433.

Dept of Int
US Bur of Mines
Appalachian Exp Sta
Morgantown, W Va.

Dept of Int
US Bur of Mines
Chief of Bituminous
Coal Sec
NO 60

EEur - Germany

Recon
App 50

84,755

61-10480

Kühnhanas, Gerhard, Rösner, Hedwig and others.
CONTRIBUTION TO ANALYTICAL METHODS FOR
HYDROCARBON MIXTURES. II. DEVELOPMENT OF
A METHOD OF RAPID ANALYSIS (Beitrag zur
Analytik von Kohlenwasserstoffgemischen). [1960]
[27]p. 1 ref.
Order from SLA int\$2.70, ph\$4.80 61-10480

Trans. of Erdöl und Kohle (West Germany) 1957, v. 10,
no. 7, p. 433-441.

Methods are described by means of which multiconstitu-
ent mixtures such as occur in petroleum oils and in
fuels and lubricants obtained by hydrogenation can be
characterized by just two characteristic constants, the
density and the index of refraction. The method thus
broadly meets the requirement of the industrial chemist
for controlling the course of production by a quick,
simple means which make minimum demands on the
technical personnel. Homograms for the evaluation of
specific industrially-produced fractions are included.
(Author)

1. Hydrocarbons--Refractive
properties
2. Petroleum--Chemical
analysis
1. Kühnhanas, G.
- II. Rösner, H.
- III. Title: Development...

148,516

Office of Technical Services
(Chemistry--Analytical,
TT, v. 5, no. 7)

Janak, Jaroslav.
NEW METHODS OF GAS ANALYSIS BY GAS CHRO-
MATOGRAPHY (Neue Wege der Gasanalyse mit
Gaschromatographie). Lecture delivered at Gas
Colloquium, Hamburg, 14-16 Nov 56. [1960] [16]p.
18 refs.
Order from SLA m\$2.40 ph\$3.30 61-10479

Trans. of Erdöl und Kohle (West Germany) [1957]
v. 10, no. 7, p. 442-444.

151434

(Chemistry--Analytical, TT, v. 5, no. 8)

61-10479

- I. Gases--Chromatographic analysis
- I. Janak, J.
- II. Title: Gas Colloquium...

Office of Technical Services

Changes In Heavy Duty Diesel Motor Oils With
Use and Their Significance For the Practice Of
Oil Changing and the Testing Of Lubricating Oils
by N. Kendall and L. J. Richards.

GERMAN, per, Erdoel Und Kohle, Vol X, No 7, 1957,
pp 444-449.

CSIRO

Oct. 62

A Simple Method of Chromatographic Analysis of
Lubricating Oil Fractions, by G. Schwarz;

GERMAN, per, Erdöl and Kohle, Vol IX, 1957, pp 558-
562, 9072299.

ACSIL No 1257

Sci

Nov 60

131,434

Shell Oil Gasification Process and Its Application
to Industry, by Gattiker.

GERMAN, per, Erdoel und Kohle, 1957, pp 581-584.

GFC

C.S.I.R.O.

Sci

May 60

115, 764

The Use of Phase Separation Methods for Demineralizing
Athabasca Bituminous Sands, by E. Weingaertner, et al.

GERMAN, per, Erdol u Kohle, Vol X, No 9, 1957, pp
584-587.

ATS 16J19G
ATS 124-GJ

Sci
May 59

87, 247

A Simple Method for Chromatographic Separation of Lubricating Oil Fraction, by G. Schwartz.

GERMAN, par, Erdöl und Kohle, Vol X, 1957, pp 588-592.

CSIRO

Sci - Fuels
Oct 61

171,364

The CH_3 Mass Spectrometer, by L. Junckel, 6 pp.

GERMAN, per, Erdol u Kohle, Vol X, No 10, 1957,
pp 675-677.

SEA 58-267

Sci

Aug 59

94,135

Engelhardt, Wolf v[on] and L[ibben], Helno.
STUDY OF THE INFLUENCE OF INTERFACIAL
STRESS AND CONTACT ANGLE ON THE DIS-
PLACEMENT OF OIL BY WATER IN POROUS
MATERIALS. I. THEORETICAL PRINCIPLES AND
PERFORMANCE OF TESTS. [1962] 19p. 15 refs.
Order from SLA \$1.60 62-14556

Trans. of Erdöl und Kohle (West Germany) 1957, v. 10,
no. 11, p. 747-752.
Another trans. is available from ATS \$18.50 as
ATS-87L35G [1960] 12p.

DESCRIPTORS: *Porous materials, *Oils, Sources,
*Water injection, Stresses, Fluid flow, Theory, Test
methods, Tests.

(Earth Sciences, TT, v. 10, no. 6)

62-14556

I. Engelhardt, W. von
II. L[ibben], H.

Office of Technical Services

Schindel, Klara.
EXTENSION OF THE FLUORESCENT INDICATOR
ADSORPTION (FIA) METHOD FOR DETERMINATION
OF THE FOUR MAIN HYDROCARBON GROUPS OF
GASOLINES. 10p 10refs.
Order from SLA \$1.10

TT-64-18518

Trans. of Erdöl und Kohle [-Erdgas Petrochemie]
(West Germany) 1957, v. 10 [no. 11] p. 754-757.

(Materials--Fuels, TT, v. 12, no. 7)

TT-64-18518

I. Schindel, K.

Marsal, Dietrich.

THE MATHEMATICAL TREATMENT OF WATER
FLOODING OF PETROLEUM RESERVOIRS (Die
Mathematische Behandlung der Verwässerung von
Erdöllagerstätten). Lecture presented to the German
Association for Petroleum Science and Coal Chemis-
try (annual meeting) Berlin, 11 Oct 57. [1962][7]p.
(foreign text included).

Order from SLA \$1.10

62-16472

Trans. of Erdöl und Kohle (West Germany) 1957,
v. 10, no. 12, p. 825-826.

DESCRIPTORS: *Petroleum, *Hydraulic reservoirs,
*Water injection, Numerical analysis.

(Engineering--Chemical, TT, v. 8, no. 7)

62-16472

I. Marsal, D.

II. Title: German ...

Office of Technical Services

Investigations of the Influence of Interfacial
Tension and Contact Angle Upon the Displacement of
Oil by Water in Porous Bodies, by W. Van Engelhardt,
H. Luebben, ^{VOR}

GERMAN, per, Erdol u Kohle, Vol X, No 12, 1957,
pp 826-830.

ATS 116-CJ

OTS 62-14555

Sci
May 59

87, 242

Production Of Olefinic Gases By Cracking Hydrocarbons by H. Pietsch.

GERMAN, per, Erdoel Und Kohle, Vol. X, No 12, 1957, pp 838-840.

CSIRO

Oct. 62

Jenckel, Ludolf.
THE CH 3 MASS SPECTROMETER. [1958] 6p
Order from SLA \$1.10 TT-63-16399

Trans. of Erdöl und Kohle-[Erdgas-Petrochemie]
(West Germany) 1957, v. 10, no. 10, p. 675-677.
Also available from SLA as 58-267.

DESCRIPTORS: *Mass spectroscopy. *Spectrum
analyzers, Gas flow, Ion sources, Recording systems.

Several improvements and new developments are
reported for the Atlas CH 3 mass spectrometer, which
have extended or promise to extend the analytical appli-
cations of this apparatus considerably. They have to do
with the gas inlet system and the gas flow through the
mass spectrometer, measures to increase the resolving
power, and a new recorder with the highest recording
speed. (Author)
(Physics--Spectroscopy, TT, v. 11, no. 4)

TT-63-16399

I. Jenckel, L.

Office of Technical Services

Recent Investigations of the Problem of Heavy-Oil
Recovery From Sand Deposits, Part 1, Recovery by
Mining and Flooding, by C. Schmid.

GERMAN, per, Erdol u Kohle, Vol XI, No 1, 1958,
pp 6-11.

ATS 90K24G
ATS 122-GJ

Sci
May 59

87, 245

61-10494

Fruend, Michael and Vajta, Sophie.
ELECTRON MICROSCOPICAL STUDY OF THE STRUCTURE OF ASPHALT. [1960] [11]p. (11 figs. omitted)
20 refs.

Order from SLA mlS2.40, ph\$3.30 61-10494

Trans. of Erdöl und Kohle (West Germany) 1958, v. 11
[no. 1] p. 13-18.

The colloidal structure of asphalt samples was investigated through electron microscope pictures of metal replicas. Plates were prepared by dissolving an asphalt sample (or, occasionally, melting the asphalt without a solvent), then treating with gold-aluminum vapors to create a replica of the asphalt surface, which is then photographed. [The omitted] figures show variations in surface structure of asphalts in sol state, in gel state and in transition states. Chemical and rheological data were employed to check the results.
(Author)

(Materials, TT, v. 5, no. 7)

1. Asphalt--Structural analysis
 2. Electron microscopy--Applications
- I. Fruend, M.
 - II. Vajta, S.

148,520

Office of Technical Services

Recent Investigations of the Problem of Heavy-Oil
Recovery From Sand Deposits, Part II, Use of Heat
and Solvents, by C. Schmid.

GERMAN, per, Erdol u Kohle, Vol XI, No 2, 1958,
pp 72-75.

ATS 89K240

ATS 123-GJ

SLA 62-18502

SLA 64-18817

87,246

Sci
May 59

Determination Of Small Amounts Of Oxygen,
Carbon Monoxide, Methane, and Nitrogen In High
Purity Ethylene by Means Of Gas Chromatography by
H. Pietsch.

GERMAN, per, Erdoel Und Kohle, Vol XI, No 3, 1958,
pp 157-159.

CSIRO

Oct. 62

Spectroscopic Determination of Traces of Arsenic in
Naphtha Reformate, by F. Wagner, R. Vitt, 3 pp.

GERMAN, per, Erdol und Kohle, Vol XI, No 7,
1958, pp 460-461.

SLA 59-10178

Sci - Chem
Sep 59
Vol 2, No 2

97972

61-10493

Wiesner, Lothar.
THE IMPORTANCE OF RADIATION CHEMISTRY ON
THE PROCESSING OF PETROLEUM AND COAL.
[1960] 124 p. 12 refs.
Order from SLA ml\$2.70, ph\$4.80 61-10493

Trans. of Erdöl und Kohle (West Germany) 1958,
v. 11, no. 8, p. 511-515.

148,519

1. Petroleum--Processing
2. Coal--Processing
3. Radiochemistry--
Applications
1. Wiesner, L.

Office of Technical Services

(Nuclear Physics--Nuclear Engineering, TT, v. 5,
no. 7)

A Modern Process for the Production ~~for the~~
Production of Some Industrially Important
Gases from the Products of the Petroleum Indus-
try, by H. Fichler, 14 pp.

GERMAN, per, Erdol und Kohle, Vol XI, No 8,
1958, pp 515-521.

ATS-742-G-J
ATS 38286

SEEur-Germany-Econ

Jun 59

OTS 1, 10

89,709

The Urea-Dewaxing Plant in Seide, by Alfred
Hoppe, 16 pp.

GERMAN, per, Erdol und Kohle, Vol XI, No 9,
1958, pp 618-621.

SLA 59-10568
60-16774

Sci - Chem
Sep 59
Vol 2, No 1

97,890

Stainless Steels for Oil Pipelines. Comparison of
European With USA Steels, by L. Schaeben.

GERMAN, par, Erdol und Kohl, Sep 1958, pp 636-639.

BISI 1903

Sci - Min/Met

Dec 60

134,012

Petrochemistry, Its Development and Future, by
Otto Horn, 9 pp.

GERMAN, per, Erdol und Kohle, 1958, pp 693-698.

CIA/TDD XX-621

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Chem, Fuels
Jun 59

USIB INTERNAL USE ONLY

88,525

Experiences in the Structure Group Analysis by
Means of Infra-Red Spectroscopy, by Gunter Brandes,
9 pp.

GERMAN, per, Erdol und Kohle, Vol XI, No 10, 1958,
pp 700-702.

SLA 59-10722

Sci
Dec 59
Vol 2, No 4

102,691